

What is claimed is:

1. A recording medium having a data file management program recorded therein, said program comprising:

5 recording processing in which an information data file is recorded in a recording medium;

attribute data file creation processing in which an attribute data file having recorded therein attribute information of the information data file recorded in the
10 recording medium is created;

read processing in which attribute information of an information data file that has not yet been recorded in the recording medium is read;

decision-making processing in which a decision is made
15 as to whether or not the attribute information recorded in said attribute data file matches the attribute information read through said read processing, a match signal is output when matching and a non-match signal is output when not-matching; and

20 control processing in which control is implemented on said recording processing based upon results of the decision made in said decision-making processing.

2. A recording medium according to claim 1, wherein
25 in said control processing, a recording operation

through said recording processing is allowed when said
non-match signal is output through said decision-making
processing and a recording operation through said recording
processing is disallowed when said match signal is output
5 through said decision-making processing.

3. A recording medium according to claim 2, wherein
in said attribute data file creation processing, said
attribute information of the information data file having
10 been recorded through said recording processing is recorded
in said attribute data file when the recording operation is
allowed through said control processing.

4. A recording medium according to claim 1, wherein
15 said attribute data file is held over a predetermined
length of time.

5. A recording medium according to claim 1, said program
further comprising:

20 specification processing in which at least one type of
attribute information in said attribute information is
specified; and

decision-making processing in which a decision is made
as to whether or not the attribute information specified
25 through said specification processing matches the attribute

information read through said read processing, a match signal is output when matching and a non-match signal is output when not-matching, wherein

in said control processing, said recording processing
5 is controlled so as to allow a recording operation through said recording processing when said match signal is output through said decision-making processing and disallow a recording operation through said recording processing when said non-match signal is output through said decision-making
10 processing.

6. A recording medium having a data file management program recorded therein, said program comprising:

recording processing in which an information data file
15 is recorded in a recording medium;

read processing in which attribute information of at least two information data files that have not yet been recorded in the recording medium is read;

decision-making processing in which a decision is made
20 as to whether or not there is specific continuity in said information data files based upon the attribute information read through said read processing; and

file management processing in which said information data files are managed to be grouped based upon results of
25 said decision made through said decision-making processing.

7. A recording medium according to claim 6, wherein:
in said decision-making processing, a decision is made
as to whether or not specific continuity manifests with regard
5 to time points at which the information data files were
created; and
in said file management processing, said information
data files are managed as information data files in a single
group when said continuity is determined to manifest through
10 said decision-making processing.
8. A recording medium according to claim 1, wherein
said information data file that has not yet been
recorded in the recording medium is already recorded in an
15 electronic camera or in a computer apparatus.
9. A data file management apparatus comprising:
a recording device that records an information data
file in a recording medium;
20 an attribute data file creation device that creates an
attribute data file having recorded therein attribute
information of the information data file recorded in the
recording medium;
a read device that reads attribute information of an
25 information data file which has not yet been recorded in the

recording medium;

a decision-making circuit that makes a decision as to whether or not said attribute information recorded in said attribute data file matches the attribute information read
5 by said read device, outputs a match signal when matching and outputs a non-match signal when not-matching; and

a control circuit that controls said recording device based upon results of the decision made by said decision-making circuit.

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10. A data file management apparatus comprising:

a recording device that records an information data file in a recording medium;

a read device that reads attribute information of at
15 least two information data files which have not yet been recorded in the recording medium;

a decision-making circuit that makes a decision as to whether or not specific continuity manifests in the information data files based upon the attribute information
20 read by said read device; and

a file management circuit that implements grouping management on the information data files based upon results of the decision made by said decision-making circuit.

25 11. A method for transmitting image data from an electronic

camera to a computer apparatus, comprising:

preparing attribute information of the image data, by the electronic camera;

receiving the attribute information of the image data,
5 comparing the attribute information thus received with attribute information recorded in an attribute data file in a recording device of the computer apparatus, and issuing a request for the image data to the electronic camera only when the attribute information of the image data does not
10 completely match the attribute information recorded in said attribute data file, by the computer apparatus;

preparing the image data upon receiving the request for the image data, by the electronic camera; and

receiving the image data to record in the recording
15 device and updating said attribute data file by recording the attribute information of the image data after image data have been recorded, by the computer apparatus.

12. A method for transmitting data from a first electronic
20 apparatus having data to a second electronic apparatus that records data in a recording medium, comprising:

receiving attribute information of the data from the first electronic apparatus, and comparing the attribute information with attribute information recorded in an
25 attribute data file in the recording medium, by the second

electronic apparatus;

receiving the data from said first electronic apparatus
and recording the data in the recording medium only when the
attribute information of the data does not completely match
5 the attribute information recorded in said attribute data
file, by the second electronic apparatus; and

updating said attribute data file by recording the
attribute information of the data after the data have been
recorded, by the second electronic apparatus.

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13. A recording medium having a data file management
program recorded therein, said program comprising:

recording processing in which an information data file
is recorded in a recording medium;

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identification file recording processing in which an
identification data file containing information provided
related to the information data file recorded through said
recording processing is created and recorded in the recording
medium;

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identification file read processing in which said
identification data file is read from the recording medium;

identification processing in which the information
data file is identified by using said identification data file
read through said specification file read processing; and

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identification file delete processing in which said

identification data file recorded in the recording medium is deleted.

14. A recording medium according to claim 13, wherein
5 said identification file recording processing is implemented immediately after said recording processing is completed and said identification file delete processing is implemented immediately after said identification processing is completed.

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15. A recording medium having a data file management program recorded therein, said program comprising:

identification file recording processing in which an
identification data file containing information provided
15 related to an information data file to be deleted from the recording medium is created and recorded in the recording medium;

delete processing in which the information data file
is deleted from the recording medium;

20 identification file read processing in which said identification data file is read from the recording medium;

identification processing in which the information
data file is identified by using said identification data file
read through said identification file read processing; and

25 identification file delete processing in which said

identification data file recorded in the recording medium is deleted.

16. A recording medium according to claim 15, wherein
5 said identification file recording processing is implemented before said delete processing starts and said identification file delete processing is implemented immediately after said identification processing is completed.

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17. A data file management apparatus comprising:
a recording device that records an information data file in a recording medium;
an identification file recording device that creates
15 an identification data file containing information provided related to the information data file recorded by said recording device and records said identification data file in the recording medium;
an identification file read device that reads said
20 identification data file from the recording medium;
an identification circuit that identifies the information data file by using said identification data file read by said identification file read device; and
an identification file delete device that deletes said
25 identification data file recorded in the recording medium.

18. A data file management apparatus comprising:

an identification file recording device that creates
an identification data file containing information provided
5 related to an information data file to be deleted from a
recording medium and records the identification data file in
the recording medium;

a delete device that deletes the information data file
from the recording medium;

10 an identification file read device that reads said
identification data file from the recording medium;

an identification circuit that identifies the
information data file by using said identification data file
read by said identification file read device; and

15 an identification file delete device that deletes said
identification data file recorded in the recording medium.

19. An image capturing system comprising:

an image capturing device that captures an image of a
20 subject and outputs the captured image as image data;

a first recording device that records the image data
in a first recording medium;

a second recording device that records the image data
in a second recording medium other than the first recording
25 medium;

a first control circuit that controls said first recording device so as to allow said first recording device to perform a recording operation with timing with which an image capturing operation is performed by said image capturing device; and

a second control circuit that controls said second recording device so as to allow said second recording device to perform a recording operation with timing with which an image capturing operation is performed by said image capturing device.

20. An image capturing system according to claim 19, further comprising:

a decision-making circuit that makes a decision as to whether or not said second recording device is capable of performing a recording operation, wherein

said second control circuit halts the recording operation by said second recording device after a negative decision is made by said decision-making circuit.

21. An image capturing system according to claim 20, wherein

said second control circuit starts the recording operation by said second recording device when an affirmative decision is made by said decision-making circuit while the

recording operation by said second recording device is suspended.

22. An image capturing system according to claim 21,
5 further comprising:

a read device that reads image data recorded in the first recording medium while the recording operation by said second recording device is suspended, wherein

said second control circuit controls said second
10 recording device so that the image data read by said read device are recorded in the second recording medium only after an affirmative decision is made by said decision-making circuit.

23. An image capturing system according to claim 19,
15 further comprising:

a decision-making circuit that makes a decision as to whether or not said first recording device is capable of performing a recording operation, wherein

said first control circuit halts the recording
20 operation by said first recording device after a negative decision is made by said decision-making circuit.

24. An image capturing system according to claim 23,
25 wherein

said first control circuit starts the recording operation by said first recording device when an affirmative decision is made by said decision-making circuit while the recording operation by said first recording device is
5 suspended.

25. An image capturing system according to claim 24, further comprising:

a read device that reads image data recorded in the
10 second recording medium while the recording operation by said first recording device is suspended, wherein

said first control circuit controls said first recording device so that the image data read by said read device are recorded in the first recording medium only after
15 an affirmative decision is made by said decision-making circuit.

26. An image capturing system comprising:

an image capturing device that captures an image of a
20 subject and outputs the captured image as image data;

a first recording device that records the image data in a first recording medium;

a second recording device that records the image data in a second recording medium other than the first recording
25 medium;

5 a control circuit that stops a recording operation performed by said second recording device and records the image data into the first recording medium by engaging said first recording device with timing with which an image capturing operation is performed by said image capturing device; and

a decision-making circuit that makes a decision as to whether or not said first recording device is capable of performing a recording operation, wherein

10 said control circuit halts the recording operation by said first recording device and starts the recording operation by said second recording device with the timing with which an image capturing operation is performed by said image capturing device after a negative decision is made by said
15 decision-making circuit.

27. An image capturing system according to claim 26, wherein

20 while the recording operation by said first recording device is suspended, said control circuit starts the recording operation by said first recording device and halts the recording operation by said second recording device after an affirmative decision is made by said decision-making circuit.

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28. An image capturing system according to claim 26,
further comprising:

a read device that reads image data recorded in the first
recording medium while the recording operation by said second
5 recording device is suspended, wherein

said control circuit controls said first recording
device so that the image data read by said read device are
recorded in the first recording medium only after an
affirmative decision is made by said decision-making circuit.

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29. An image capturing system comprising:

an image capturing device that captures an image of a
subject and outputs the captured image as image data;

a first recording device that records the image data
15 in a first recording medium;

a second recording device that records the image data
in a second recording medium other than the first recording
medium;

a control circuit that stops a recording operation
20 performed by said first recording device and records the image
data into the second recording medium by engaging said second
recording device with timing with which an image capturing
operation is performed by said image capturing device; and

a decision-making circuit that makes a decision as to
25 whether or not said second recording device is capable of

performing a recording operation, wherein

said control circuit halts the recording operation by
said second recording device and starts the recording
operation by said first recording device with the timing with
5 which an image capturing operation is performed by said image
capturing device after a negative decision is made by said
decision-making circuit.

30. An image capturing system according to claim 29,
10 wherein

while the recording operation by said second recording
device is suspended, said control circuit starts the
recording operation by said second recording device and halts
the recording operation by said first recording device after
15 an affirmative decision is made by said decision-making
circuit.

31. An image capturing system according to claim 30,
further comprising:

20 a read device that reads image data recorded in the first
recording medium while the recording operation by said second
recording device is suspended, wherein

said control circuit controls said second recording
device so that the image data read by said read device are
25 recorded in the second recording medium only after an

affirmative decision is made by said decision-making circuit.

32. An image capturing system according to claim 29,
wherein:

5 said image capturing device is provided at a camera;

and

 the first recording medium is detachably loaded in the
camera.

10 33. An image capturing system according to claim 32,
wherein

 the second recording medium is provided at a computer
apparatus that engages in transfer of image data with the
camera.

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34. An image data handling apparatus, comprising:

 a first data input circuit to which image data are input
from an external apparatus internally provided with a first
recording medium;

20 a second data input circuit to which image data are input
from a second recording medium other than the first recording
medium; and

 a control circuit that controls said first data input
circuit and said second data input circuit so as to give the
25 image data input through said second data input circuit

priority for reception when image data are input through said first data input circuit and through said second data input circuit.

- 5 35. An image data handling apparatus according to claim 34, wherein:

said external apparatus having the first recording medium is a camera; and

10 the second recording medium is a recording medium that can be loaded in the camera.

36. An image data handling apparatus according to claim 35, wherein

15 said image data is still image data, the image data handling apparatus further comprising:

a first detection circuit that detects whether or not image data have been input through said first data input circuit; and

20 a second detection circuit that detects whether or not image data have been input through said second data input circuit, wherein

said control circuit controls said first data input circuit and said second data input circuit so that:

25 (1) when an input is detected by said first detection circuit ahead of said second detection circuit, a detection

is made by said second detection circuit as to whether or not image data have been input immediately after image data corresponding to one frame have been received from said first data input circuit, and then if an input is detected by said
5 second detection circuit, image data for all frames are received from said second data input circuit; and

(2) when an input is detected by said second detection circuit ahead of said first detection circuit, the image data for all the frames are received from said second data input
10 circuit.

37. An image data handling apparatus comprising:

a first data input circuit to which still image data are input from an external apparatus internally provided with
15 a first recording medium;

a second data input circuit to which still image data are input from a second recording medium other than the first recording medium;

a first detection circuit that detects whether or not
20 still image data have been input through said first data input circuit;

a second detection circuit that detects whether not still image data have been input through said second data input circuit; and

25 a control circuit that controls said first detection

circuit and said second detection circuit to engage said
second detection circuit to detect whether or not an input
has been made each time an input of still image data for one
frame is completed through said first data input circuit, and
5 to engage said first detection circuit to detect whether or
not an input has been made when an input of still image data
for all frames recorded in the second recording medium is
completed through said second data input circuit, in case that
still image data are input through both said first data input
10 circuit and said second data input circuit.